DEPARTMENT OF MENTAL HEALTH ORIENTATION 2013-2014

August 29, 2013
The mission of the Department of Mental Health is to advance understanding of mental and behavioral disorders,

to develop, implement, and evaluate methods to prevent and control these disorders, and

to promote mental health in the population.
READ IT!!

Department of Mental Health

ACADEMIC HANDBOOK

Protecting Health, Saving Lives—*Millions at a Time*

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Dani Fallin, Ph.D.
Sylvia and Harold Halpert Professor & Chair
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Genetic and environmental epidemiology of mental disorders - autism, schizophrenia, bipolar, Alzheimer’s disease; epigenetic epidemiology; epidemiologic research methods.
Identifying and Characterizing the Causes Of Autism Spectrum Disorders: Many Perspectives

ASD etiology

Psychiatry
Epidemiology
Biostatistics
Bioinformatics
Immunology
Toxicology
Environmental health
Behavioral genetics
Psychometrics
Epigenetics
Genetics
Clinical genetics
Neurology
Psychology

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Etiology of ASDs
Global Mental Health, especially in low resource settings and populations vulnerable to mental and behavioral disorders through war, genocide, flight, and natural disaster

Course is being developed
Assessment in Tsunami-affected areas in Indonesia
Health economics with special interests in mental health and substance abuse, including health services research, policy and program evaluation, and cost-benefit analysis; statistics; urban and regional economics; and financial planning.

303.606.01 Economics of Mental Health and Substance Use Disorders; 330.651-654.01 Seminar on Program Planning in Dev Countries on Drug Abuse and other Health Problems (I-IV); 330.655-656.01 Field Visits in Drug Abuse and Health Program Planning
What is Mental Health Economics?

• Study the rational basis of decisions affecting mental health
  – Demand for mental health care, hospital visits, drugs
  – Supply, pricing, and financing of mental care
  – Insurance markets

• Studying the connection between mental health and poverty
  – Disparities
  – Mental health and labor markets
  – Mental Health and the Economy

• Economic Evaluation Programs
  – Cost/Financing Analysis
  – Cost-Effectiveness Analysis
  – Cost-Benefit Analysis
Judith Bass, PhD
Assistant Professor
Director of Doctoral Education
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Mental Health issues in the developing world; designing and evaluating methods for assessing mental health and mental illness in non-Western cultures; investigating effectiveness of innovative prevention and intervention strategies in non-Western cultures.

330.620.01 Issues in Mental Health Research in Developing Countries
Interviewer Training in Democratic Republic of the Congo
Areas of Interest:

- Dissemination and Implementation Research
- Evidence-based treatments for children, families and adults in Low and Middle Income Countries
- Training and Supervision of mental health services
Apprenticeship Model

- In Person Training
  - Smallest Part
  - Practice Groups: Focus on practicing the components before seeing clients
    - Supervisor coaching during role plays
  - Supervision Groups: Group discussion of cases; continued supervisor coaching during role plays
  - CBI Study Clients
    - CBI: First Client
      - Focus on ONE client first
    - Client 1
    - Client 2
    - Client 3
    - Number of clients depends on the counselor skill

- Weekly skype calls w trainers throughout the project

- TIME
  - Two weeks
  - Four weeks
  - Varies: 8-12 weeks
  - Study enrollment period

Murray et al., 2011
Michelle C. Carlson, PhD
Associate Professor
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www.carlsonlab.org

Cognitive aging; Alzheimer’s Disease prevention research; cognitive neuropsychology; cognitive vitality; independent function; brain health

330.623.01 *Brain and Behavior in Mental Disorders*
Increased levels of activity in daily life: Promoting brain health and plasticity in executive function & memory

Preliminary Effects of Experience Corps on Executive & Brain

Small increases in daily step activity associated with ↑ hippocampal volume

From neurons to neighborhoods: act outside home

Carlson, et al., 2009
Katrina Debnam, PhD, MPH
Assistant Scientist
Hampton House 388
kdebnam@jhsph.edu

School-based prevention programs for adolescents; Adolescent dating violence; Health disparities; Application of spirituality/religiosity to culturally appropriate interventions and health communication
School-Wide Positive Behavior Support

Primary Prevention:
School-/Classroom-Wide Systems for All Students, Staff, & Settings

Secondary Prevention:
Specialized Group Systems for Students with At-Risk Behavior

Tertiary Prevention:
Specialized Individualized Systems for Students with High-Risk Behavior

~80% of Students
~15%
~5%
William W. Eaton, PhD  
Professor  
Hampton House 880A  
weaton@jhsph.edu

Epidemiology of mental disorders; schizophrenia; depression; sociology of mental disorders; measurement; research methods.

330.603.01 and 330.603.81 Psychiatric Epidemiology
“You have been chosen in a random selection to take part in a nationwide survey. Question Number One: ‘What kind of a nut would you say you are?’ ”
C. Debra Furr-Holden, PhD
Associate Professor
Director, DDET Training Grant
Hampton House 882; Candler, 8th fl
dholden@jhsph.edu


330.602.01 Epidemiology of Drug Dependence
Mental health and mental disorders in the elderly, including substantial contributions in the field of methodology and measurement, psychiatric epidemiology, and health services research.
PROSPECT follow-up: 10-year follow-up (death, services use) of 1,226 older adults in practices randomized to an intervention

Spectrum study: Mixed methods study of depression among older primary care patients

Precursors study of Johns Hopkins medical students of 1948-1964

Develop community-based interventions for older adults, e.g., ‘peer mentors’ for older persons

Mixed methods in mental health services research

Comorbidity of physical and mental conditions
Nicholas S. Ialongo, PhD
Professor
Hampton House 809
nialongo@jhsph.edu

Developmental psychopathology; treatment of child and adolescent psychiatric disorders; preventive clinical trials.

330.607.01 and 330.607.81 *Prevention of Mental Disorders: Public Health Interventions*
Integrating Two Evidence-Based Universal Interventions

**PATHS**
A curriculum that explicitly teaches social emotional skills

**PAX Good Behavior Game**
Classroom Management System
Neighborhood context and adolescent risk behaviors, youth violence, firearm injury, marijuana use.
References to Substances in Lyrics of Billboard Top 100 Song Lyrics, 2009-2011 (n=718)

- **Country**:
  - Marijuana: 0.6
  - Alcohol: 19.7

- **Pop**:
  - Marijuana: 6.6
  - Alcohol: 19.3

- **Urban**:
  - Marijuana: 15.2
  - Alcohol: 28.9

- **Rock**:
  - Marijuana: 0.7
  - Alcohol: 5.1
LIFE COURSE-SOCIAL FIELD CONCEPT

Organization and consequences of mental health services; epidemiology of mental disorders; mental health of children and other vulnerable populations.

330.660.01 Seminar on Methods in Public Mental Health Research
Challenge: Health Affects Academic Achievement

GOOD MORNING, TEACHER

Illustration by Jim Borgman. Reprinted with permission from King Enterprises Syndicated.
Elizabeth J. Letourneau

Interests
• Prevention of child sexual abuse
  – Preventing both victimization and perpetration
• Adolescent risk reduction
  – Sexual risk, substance use, medication adherence

Course
• 330.640.01 (4th term) – Childhood Victimization: A Public Health Perspective
Moore Center for the Prevention of Child Sexual Abuse

As center director my goal is to help generate new research particularly on the primary prevention of CSA.

Prevention interventions will target parents, teens in general, and adolescent boys attracted to children in particular.

Other projects focus on CSA policy.

Ongoing & planned projects:

• Parent-focused prevention intervention (Tamar Mendelson)
• Case control study of pedophilia (Bill Eaton)
• Federal scan of CSA resources (Daniel Webster, Helanie Rutkow)
• Sex offender registration and notification policy
Brion Maher, PhD
Associate Professor
Hampton House 788
bmaher@jhsph.edu

Psychiatric and behavioral genetics; substance use disorders; disruptive behavior disorders; statistical genetics and genetic epidemiology

330.619.01 Analytic Strategies in the Genetics of Psychiatric, Behavioral and Other Complex Diseases
“We finished the genomic map, now we can’t figure out how to fold it.”
Maternal and child mental health; prevention of depression and promotion of resiliency in underserved populations; mindfulness-based interventions; perinatal depression

330.611.01 Manuscript Writing for Mental Health Research (2nd term)
Yoga anyone?

Community partner:
The Holistic Life Foundation
www.hlfinc.org
Ali Smith
Atman Smith
Andres Gonzalez
Ramin Mojtabai, MD, PhD, MPH
Associate Professor
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rmojtaba@jhsph.edu

Mental health services for serious mental disorders;
Mental health treatment seeking in the community;
Pharmaco-epidemiology of psychiatric drugs

330.664.01 and 330.664.98 Introduction to Mental Health Services;
330.854.81 A Brief Introduction to Public Health for Mental Health Clinicians

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About one in 10 Americans aged 12 and over takes antidepressant medication.

Figure 1. Percentage of persons aged 12 and over who take antidepressant medication, by age and sex: United States, 2005–2008

1Significantly different from age group 18–39. 2Significantly different from age groups 40–59 and 60 and over. 3Significantly different from females. 4Significantly different from age group 60 and over.

NOTE: Access data table for Figure 1 at: http://www.cdc.gov/nchs/data/databriefs/db76_tables.pdf#1.
Jeanine Parisi, PhD
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Director, MHS Program
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jparisi@jhsph.edu

Adult development and aging; cognition; intellectual and social engagement; personality; prevention and intervention; program evaluation
EXPERIENCE CORPS (Rebok, PI)
Elise Pas, PhD
Assistant Scientist
Hampton House, Room 390
epas@jhsph.edu

Prevention program implementation and dissemination in schools, effects of school and classroom context on student behavioral and social-emotional outcomes, school consultation/coaching models for promotion of program implementation and student outcomes
"The Principal suspended me — School is the only place in the world where you can get time off for bad behavior."

"My fortune says, "You will be successful in getting students to control their behavior, if you first control your own behavior.""
George W. Rebok, MA, PhD  
Professor  
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grebok@jhsph.edu

Life-span developmental psychology; gerontology; prevention research; cognitive neuropsychology; developmental methodology.

330.607.01 and 330.607.81 *Prevention of Mental Disorders: Public Health Interventions* (2014);  
330.802.01 *Seminar on Aging, Cognition and Neurodegenerative Disorders* (2013-14);  
Life-Course Development and Prevention

• **ACTIVE Study** - Multisite, RCT of >2800 older adults to prevent cognitive decline; 10 Yr follow-up completed. JAGS, in press

• **ACTIVE Memory Works** – RCT to test a web-based memory training program for older adults

• **Experience Corps®** – RCT of >700 older adults and Baltimore City school children in grades K-3

• **Project Talent/AIR** – National study of >400,000 high school students in 1960 and planned 50+ year follow-up in 2014

• **PROACTA/Australia, Rep. of Georgia Prevalence study**
Adam P. Spira, PhD
Assistant Professor
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aspira@jhsph.edu

Sleep disturbances and psychopathology in older adults; cognitive and functional decline

330.617.01 The Public Health Approach to Psychopathology
Elizabeth A. Stuart, PhD
Associate Professor
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estuart@jhsph.edu

Statistical methods for analyses of mental health and mental disorders, particularly designs for estimating causal effects and dealing with missing data.

140.664.01 Causal Inference in Medicine and Public Health;
330.805.01 Seminar on Statistical Methods in Mental Health
I guess college graduates earn about twice as much as just high school graduates.

But what does that mean? Does college give you an advantage? Or are people who already have advantages more likely to go to college?

What if everybody went to college? What if nobody did?

What if you go to college and don't learn anything? We all know a few of those guys.

Maybe it's all just a human-resources shortcut. Maybe it's universities scaring you out of your tuition dollars.

I think graduating from 3rd grade would be the more pressing concern.

These questions are way more fun than the ones on that stupid worksheet.

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- Health and illness beliefs; adherence; patient-provider interactions and clinical decision-making; the role of technology in optimizing diagnosis, treatment, and coordination of care for mental disorders; mixed methods

Adolescent Depression Awareness Practicum
East Baltimore Medical Center Practicum
330.661.01 and 330.661.81 Social, Psychological and Developmental Processes in the Etiology of Mental Disorders
Patient centered care is based on:

- Individual patient preferences, needs, values, and decision making
- Patient access to information that permits well-informed health care decisions (IOM, 2005)

**Selected Projects:**
TOSCA Trial for Severe Childhood Aggression
- Predictors of parent satisfaction with treatment
- Parent medication preferences, expectations for improvement, and treatment retention
Holly C. Wilcox, PhD, MA
Assistant Professor (Joint-SOM)
hwilcox@jhsph.edu

The etiology and prevention of suicide; populations at high risk for suicide; developmental psychopathology

330.674.01 Suicide as a Public Health Problem
Peter P. Zandi, PhD, MPH, MHS
Associate Professor
Director, Psychiatric Epidemiology Training Grant
Hampton House 857
pzandi@jhsph.edu

Genetic epidemiology of mood disorders and Alzheimer’s disease; pharmacoepidemiology and pharmacogenetics of psychotropic drugs.

330.612.01 and 330.612.81 Introduction to Behavioral and Psychiatric Genetics
Manhattan Plot of Results from Bipolar Disorder GWAS

Can you find the needle in the haystack?
Many Perspectives in Department of Mental Health
Our professional and dignified staff are always ready to help you.
Linda M. Neighoff
Department Administrator

Patricia (Patty) Scott
Senior Academic Program Coordinator

Sherrie Morris
Payroll/Human Resources Coordinator

Michelle Maffett
Sr Administrative Coordinator for Dr. Fallin

Candice Davis
Administrative Assistant/Departmental Secretary (M, R, F)

Sharon Williams
Administrative Assistant/Departmental Secretary (T, W)

Carlina Carter
Sr. Research Service Analyst
Other Department Staff

Sam Hubbard
Ryan Rinker
Scott Hubbard
Welcome New Students
<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>September 4</td>
<td>Debra Holden, PhD</td>
<td>“Environmental Strategies to Prevent and Reduce Violence”</td>
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<tr>
<td>September 11</td>
<td>Joseph Gallo, MD</td>
<td>“Depression, diabetes, death, and other tales from the intersection of mental and physical health”</td>
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<tr>
<td>September 18</td>
<td>Elizabeth Letourneau, PhD</td>
<td>”Using a Case Method Approach to Teach Public Health Topics”</td>
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<td>September 25</td>
<td>Post-doc panel</td>
<td>Doctoral students invited to “Post-Doc Panel” discussion - ask anything about life as a doctoral student, mentoring, job searches, state of the field, etc.</td>
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<td>October 2</td>
<td>Philip Leaf, PhD</td>
<td>Research: Does It Have to Be a Four Letter Word?</td>
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<td>October 9</td>
<td>Student-led panel</td>
<td>TBD</td>
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<tr>
<td>October 16</td>
<td>Howard Chilcoat, PhD</td>
<td>“Impact of an opioid formulated with abuse deterrent properties on abuse, therapeutic errors, and accidental exposures”</td>
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<tr>
<td>October 23</td>
<td>Nicholas Ialongo, PhD</td>
<td>“Three Generations of School-Based Prevention Trials in Baltimore”</td>
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Hampton House Happy Hour
“The 4-H Club”

Students, Faculty & Staff in the Departments of Mental Health, Health, Policy & Management, and Health, Behavior & Society

Stop by the cafe -
Kick Back and Relax!
A great chance to meet and mingle!

Friday, October 11, 2013
4:30-6:00 pm
Hampton House Café
Wine, Beer, Non-alcoholic Beverages & Snacks
(hosted by: Dept. of Mental Health)
Have a great year!!

MHS → meet here with Dr. Parisi after pictures

PhD/DrPH → meet with current doctoral students in HH845 after pictures